



**Autumnwood ESH Consultants**

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9 April 2010

Mr. John Nordine, P.G.  
U.S. Environmental Protection Agency, Region 5  
RCRA Enforcement and Compliance Assurance Branch (LU-9J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for March 2010

Dear Mr. Nordine:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of March 2010. Along with this report are the preliminary calculations of permeability in the soils at the new sentinel well nest based on the slug test performed on March 16, 2010.

Also included is the eDMR for the groundwater pump and treat facility for January 2010.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (262) 237-1130.

Sincerely,

John W. Thorsen, P.E.  
**Autumnwood ESH Consultants**

JWT:sm

Attachment

cc: Joyce Munie, IEPA  
Gerald W. Ruopp, Central Wire  
Henry Lopes, Central Wire  
Robert Johnson – Central Wire

**MONTHLY PROGRESS REPORT**  
**Central Wire Union, Illinois Site**  
**March 2010**

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system.

The three wells in the sentinel well nest along Illinois Highway Route 176 were developed on March 16 and 17, 2010. Matrix used a trash pump to develop the shallow and the intermediate well and a Grundfos Redi-Flo2 to develop the deep (85 foot) well. On March 16 Matrix conducted a slug test to determine the permeability of the aquifer. The permeability was calculated at about 0.007 ft/day. The spreadsheets providing these computations is attached to this progress report.

Samples were not collected from the sentinel wells based on an email from Mr. Bob Kay of USGS (which we agree with) that stated that since there had been no detections in the residences (nor in the South Branch well on the south side of Illinois Route 176) that there was no technical need to sample the sentinel well nest at this time.

The data logger was used to collect the data for the slug test. The logger was then reset to collect four groundwater elevation readings per day and was set at 30 feet down in the intermediate well. This data logger began collecting data on March 17, 2010 at 8 am.

Based on discussions with U.S.EPA sampling at Geoprobe location GP-21 and the adjacent sample in the South Branch of the Kishwaukee River will be delayed until the river is in a base flow condition (reference Mr. Nordine's letter to Mr. Gerald Ruopp of Central Wire of March 18, 2010). As requested by U.S.EPA, this sampling will be delayed until July or August 2010 after Central Sod has harvested the sod in the field that must be crossed to get to the sampling location. We will coordinate with Mr. Dave Garbe at Central Sod to collect the sample after the harvest. The river sample adjacent to this Geoprobe location will be collected when the Geoprobe sample is collected.

When the water level data is downloaded on a monthly basis, Central Wire staff will also take a reading on the hour meters of the two high capacity wells on the Central Sod Property located on just north of Route 176 west of the sentinel well nest and on the south side of Kunde Rd. north of the sentinel well nest.

2. **Summary of Validated Data and Results** – No samples were collected in March.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.

Central Wire plans to complete the implementation of the 2009 CMI Field Investigation Work Plan in July or August 2010. Geoserve will mobilize at that time and collect three samples at GP-21 and the river sample in the river adjacent to GP-21.

At the end of April Mr. Bob Johnson will be instructed in the collection the data from the data logger and the upload of the data into the Hobo data logger software, Hoboware Pro, to present the data on a monthly basis in this progress report.

4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – None.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.





**March RCRA Monthly Progress Report**

jack thorsen to: John Nordine, joyce.munie

Cc: hlopes, Gerry Ruopp, Bob Johnson, Bob Brod, Bob Kay, Steve Grant

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Enclosed is the Central Wire March 2010 RCRA Corrective Action Monthly Progress Report. Matrix has developed the three wells in the sentinel nest of three wells. The Geoprobe samples at location GP-21 at 27', 57' and 85' deep and the sample from the South Branch of the Kishwaukee River will be collected in July or August when the South Branch is in more of a "base flow" condition and when Central Sod harvests the sod from the field that must be traversed to get to the sampling location.

We have attached the preliminary slug test results to this report.

The Groundwater Pump and Treat Discharge Monitoring Report (eDMR Report) for January is also attached.

